

8 MAR 1966

MEMORANDUM FOR: Chief, Real Estate and Construction
Division, OL

SUBJECT: Emergency Power at Headquarters Building

1. As a result of the emergency power test held on 23 January 1966, certain changes and additional connections to the emergency power circuitry have been recommended. Attachments A and B are those items noted by LSD personnel who participated in the test. Attachments C thru H were received from Agency components which participated in the test. They have submitted specific items to be included and changes to be made in their emergency circuitry. Your consideration and instructions of those changes to be made and those items to be added to the emergency power are requested.

2. The present practice of blocking out the release on the 200 KW emergency generator has not proven satisfactory. A solution to this problem is solicited. The emergency power system does not provide uninterrupted power as required by certain Agency components, especially Communications. Cost estimates should be given to convert or change the 30 KW and 200 KW frantic power generators as determined necessary to meet the requirements.

3. It is requested that a study be made on the entire Headquarters power system with consideration given to all those items included herein.

Chief, Logistics Services Division, OL

Attachments:
A thru H

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24 January 1966

MEMORANDUM FOR: Chief, Operations Division

SUBJECT : CIA Computer Center Experience During the
Emergency Power Test

1. On Sunday, 23 January, all computer systems in the CIA Computer Center were successfully powered by the Agency's emergency power supply. The computer systems were actually on less than one hour but I feel this time was adequate to demonstrate that the center can operate on the emergency power without any significant changes or modifications.

2. Following is a chronological listing of the events that occurred during the test:

<u>Time</u>	<u>Event</u>
0815	The control point for the test called and advised final approval had been given for the test and commercial power would be turned off in about 30 minutes.
0845	Commercial power went off.
0922	Emergency power came on. About 1/3 of the ceiling lights came on. In less than a minute the air handlers came on. The computers were not turned on because the under floor air temperature hadn't dropped to the normal cooling temperature.
0938	The control point called and explained that the generators couldn't be synchronized and the test was being stopped in 10 minutes and we would return to commercial power. In order to see what power we had, every computer system was turned on. All came on except the 7090 and 7010 and they were coming up, but we didn't have time to let them come up all the way.
0953	Power went off.

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1000 Power back on. The same lights came on that were on at 0922. The underfloor air was not being cooled.

1010 I checked with the power room. Emergency power was on but the power for the Computer Center wasn't available yet.

~~1020~~ The control point notified me that the generators still weren't synchronized and that power was going off and a third attempt would be made to synchronize the generators.

1028 Power went off.

1035 Power came on.

1053 The control point notified me that the generators were synchronized and we could turn on the computers. The emergency power would be restricted to those on emergency lines until 1230 and then additional areas of the building would be supplied.

1100 I called the power room and notified them our underfloor air was not being cooled.

1115 The air was sufficiently cooled and the computers were turned on.

The 7010 came up but we couldn't make a test run because of checks on both the reader/punch and printer. An engineer would be required to correct these.

The 7090 came up. The tape test program ran successfully.

The 360/30 came up and a tape was listed.

STAT The Engineer ran diagnostics on the 301 and 501. A blower fan in the power supply made quite a bit of noise several times as the fan was being started up or turned off. It was finally disconnected. A new blade will have to be installed.

Power was turned on the ALP System and its 1401.

Tape was plotted on the Calcomp Plotter.

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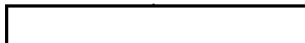
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4. I consider the test to have been successful and feel there were excellent communications between the computer center and the control point during the test.



Chief
Computer Branch

cc: Admin Staff



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UNITED STATES GOVERNMENT

Memorandum

SIG-M 66-021

TO : Chief, Logistics Services Division, OL

DATE: 24 January 1966

THRU : Director of Communications *WBF*

FROM : Chief, Signal Centers, OC

SUBJECT: Results of Testing of Emergency Power Facilities
on 23 January 1966

1. Although we thought that we had made arrangements to avoid any interruption of communications during the test of emergency power facilities schedule for 23 January, we did suffer a very long outage.

a. At 0850, there was a power fluctuation which caused a loss of synchronization on four circuits. This was apparently caused by the change from commercial power to the 200 KW generator.

b. Beginning at 0920 hours the 2000 KW generator was supplying power intermittently but did not interrupt communications because the 200 KW generator supplied power for essential circuitry.

c. At 1134 hours we lost all power. We were out of communications with everyone until 1220 hours when commercial power was restored. We then began the time consuming process of re-establishing circuits.

d. At 1335 hours, all circuits were restored and there was no further difficulty.

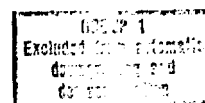
2. Better provisions must be made for supplying emergency power for our critical communications circuitry. It is recommended that further tests of the building emergency power system be delayed until we are assured that a dependable power source for the Signal Center is available.



Distribution:

Orig. & 1 - Addressee

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3 February 1966

MEMORANDUM FOR: Chief, Logistics Services Division

SUBJECT : Test of Emergency Power Facilities at
Headquarters Building

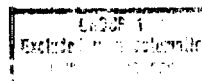
REFERENCE : dated 4 January 1966

1. Attached are copies of reports submitted to me by two employees of the Office of Medical Services who were present during the Test of Emergency Power.

2. As will be noted the Office of Medical Services would be unable to operate most of the major medical equipment if it were necessary to rely on the present Emergency Power facilities.

Chief, Support Division
Office of Medical Services

Attachment



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Emergency Power on at 0922

Out again at 0953

On again at 0958

No light in Hematology Lab.

No light in either bathroom.

No light in Dressing Rooms.

None of our equipment operates in Main Laboratory including

X-ray, EKG, Autoanalyzer, Eye Machine, Audiometer, Dryer,

Microscopes, Incubator.

Current off again at 1030

On again at 1040

Check at 1120 by log man

Current off at 1220

Test completed. Main source of current on at 1222.

X-ray and Lab all back on.

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24 January 1966

MEMORANDUM FOR: Chief, Support, Office of Medical Services
FROM : Acting Registrar, Office of Medical Services
SUBJECT : Electrical Power Exercise on 23 January 1966

1. As requested, the undersigned reported to the Office of Medical Services on 23 January 1966 to observe and determine the capabilities of the Office of Medical Services in the event of a commercial power failure. This exercise was planned to employ the existing emergency generators as a source of electrical power for the Agencies continued operation.

2. The following chronology and observations were made:

- (1) Commercial power out at 0848.
- (2) Emergency power initiated at 0922. (Overhead lights in a limited number returned at this time but the Diebold Power Files and Addressograph machine failed to operate. All refrigerators were without power).
- (3) Power was lost again at 0953.
- (4) Power returned at 0958. (Again limited as stated in (2) above).
- (5) Power lost again at 1028.
- (6) Power returned at 1035. (Again limited as stated in (2) above).
- (7) At 1110 reported [] Space Allocations, Office of Logistics, that refrigeration of vaccines requiring frozen storage should be a matter of concern at this time. (Power lost for approximately 3 1/2 hours).
- (8) At 1110 the overhead ventilating system began functioning.
- (9) All power failed at 1215. Limited power returned at 1216. At 1216, all power, including Diebold Files, Addressograph machine, refrigeration, etc. returned.

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- (10) At 1222 received a telephone call from Space Allocations indicating that the Building was now back on commercial power and that the exercise was over.

COMMENT:

It is my opinion that the functions of the Office of Medical Services would be sharply curtailed if not completely inoperable in the event of commercial power failure. *pk*

It was further noted that wall type, battery operated flood lamps, were not available in any sections of the Office of Medical Services.


Acting Registrar
Office of Medical Services

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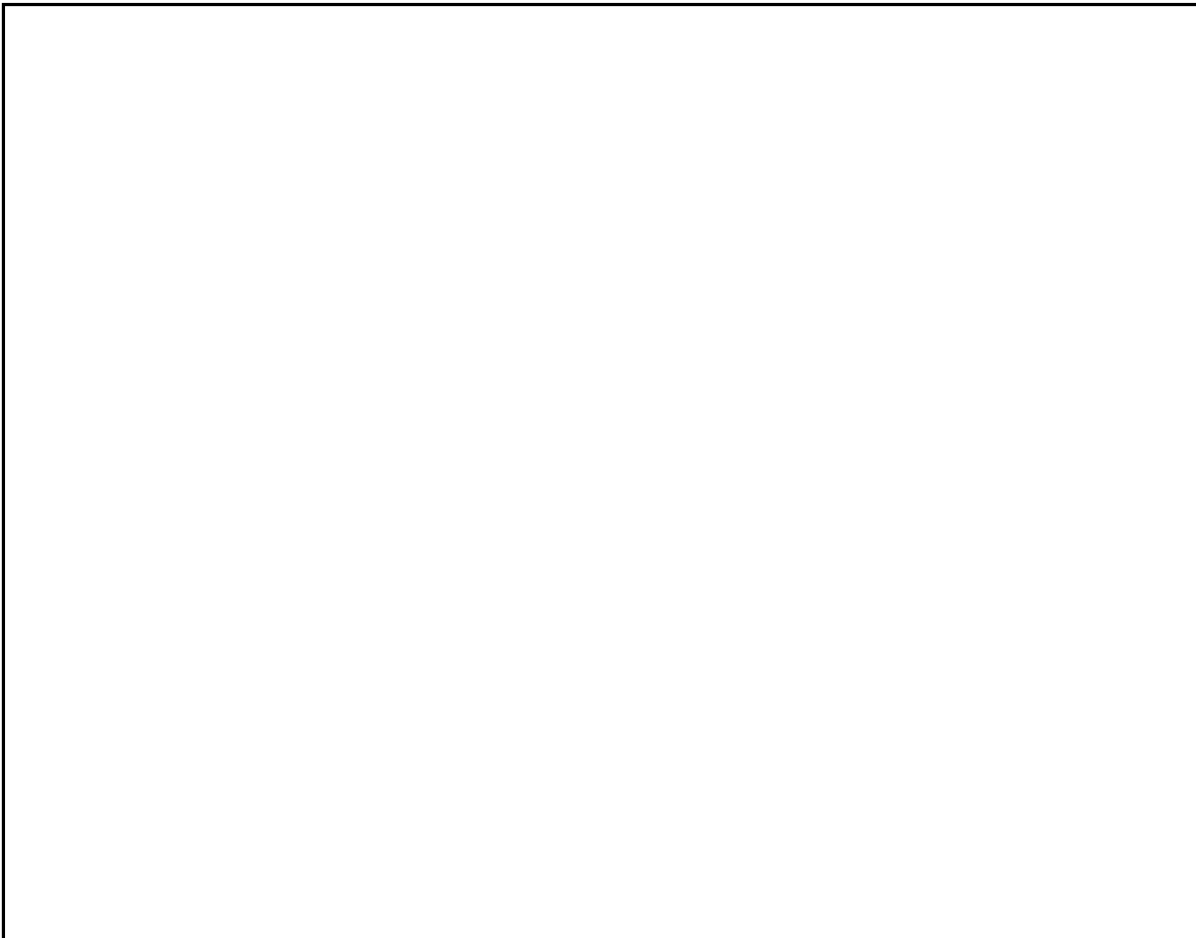
OSA-0533-66
10 February 1966

MEMORANDUM FOR: Chief, Logistics Services Division, OL

SUBJECT: Emergency Power

25X1 REFERENCE: 4 January 1966 - "Test of Emergency
Power Facilities at Headquarters Building"

1. During the referenced test of emergency power at Headquarters Building, the following deficiencies were noted by the Office of Special Activities, DD/S&T:



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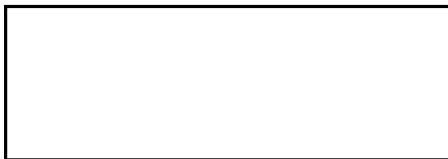
C. Control Center - 6-B-12

(1) Under auxiliary supply, no power was furnished to wall plugs in the vaulted area of 6-B-12 or to the console in the control room. To continue our operation, even under emergency conditions, minimum equipment necessary would be briefing aids, recorders, SSB radios, and at least one clock.

(2) Minimum power needed would be three wall plugs in the Control Center, one wall plug in the control room, and power furnished to the console in the control room. In addition, request power to two wall plugs in the other offices within 6-B-12 in order to operate two electric typewriters.

(3) Approximately 35 minutes were required from power off to resumption of service from emergency source. Request installation of two standby lights, battery operated automatically activated on loss of normal electrical power.

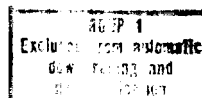
2. In order for OSA to continue with required 24-hour coverage of the mission, these discrepancies must be corrected.



Deputy Chief
Support Division, OSA

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10 February 1966

MEMORANDUM FOR: Chief, Logistics Services Division, OL

VIA : ASSA/LOG/DDS

SUBJECT : Emergency Power

1. The emergency power test conducted on 23 January 1966 revealed that the following areas of the Records Integration Division are not included in the Headquarters Building emergency power system. As these area's are critical in rendering essential services to the Clandestine Services it is requested that they be included in the Headquarters Building emergency power system.

- a) All equipment in Room GB-34
- b) Five (5) Teletype Machines and six (6) floor outlets in Room 1B4004
- c) Two (2) electrical outlets in Room 1D-23
- d) All lights in Room GC-42
- e) Refrigerator, Air Conditioner and all floor outlets in Room GC-53
- f) Two (2) electrical outlets in Room 1B4003 (Upper-Level)
- g) Three (3) electrical outlets in Room GC-52
- h) Three (3) electrical outlets in Room 1D4107
- i) One (1) electrical outlet in Room 1D4124
- j) Twenty-one (21) electrical outlets in Room GA-10

STAT 2. For exact locations and any additional information please contact Room 1D4135.

Chief, RID/ADM

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TRANSMITTAL SLIP		DATE 23 December 1965	
TO: Director of Logistics			
ROOM NO. 1C50	BUILDING Qtrs Eye		
REMARKS:			
<p>Please submit draft notice</p> <p>by not later than <u>28 December 1965.</u></p>			
FROM: A-DD/S			
ROOM NO. 7D18	BUILDING Hqs	EXTENSION	
FORM NO. 1 FEB 55 241	REPLACES FORM 35-6 WHICH MAY BE USED.		GPO 1957-O-438445 (C)

DD / S R C I T Y
FILE Bldg + 5116

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